Yumin Liu. Applicant:

SYMYX/8 Div. 1 Cont. 1

EXPRESS MAIL NO. EV133102756US

Docket No.: Filed: Concurrently Herewith Application No.: Not Yet Assigned

For: Ni CATALYSTS AND METHODS FOR ALKANE DEHYDROGENATION Agent: Denise Bergin - Reg. No. 50,581

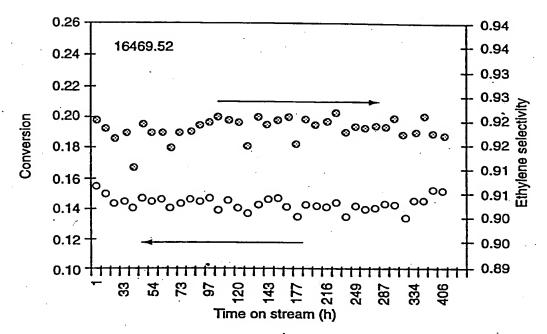


Figure 2A: Ethane conversion and ethylene selectivity over 400 hours for Ni_{0.75}Ta_{0.28}Sn_{0.03}O_X over at 275°C

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Applicant: Yumin Liu. EXPRESS MAIL NO. EV133102750
Docket No.: SYMYX/8 Div. 1 Cont. 1
Application No.: Not Yet Assigned
For: Ni CATALYSTS AND METHODS FOR ALKANE DEHYDROGENATION

Agent: Denise Bergin - Reg. No. 50,581

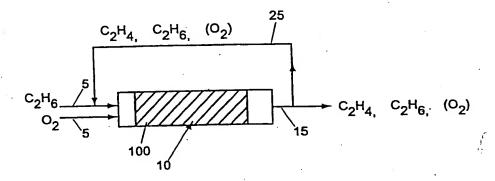


Fig. 1A

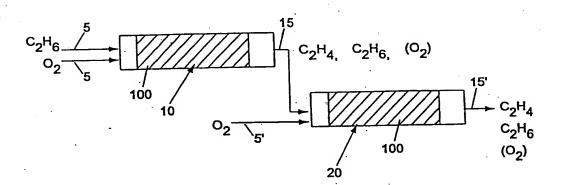


Fig. 1B

EXPRESS MAIL NO. EV133102756US Applicant: Yumin Liu. SYMYX/8 Div. 1 Cont. 1 Filed: Concurrently Herewith

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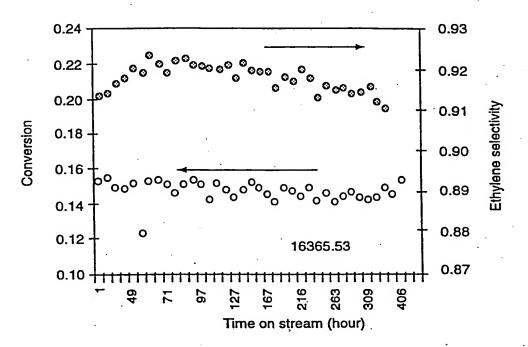


Figure 2B: Ethane conversion and ethylene selectivity over 400 hours for Ni_{0.71}Nb_{0.27}Co_{0.02}O_{$_X$} over at 275°C